

Memorandum of Understanding on Coordinating The Preparation and Processing of Environmental Projects.²

(d) The HA shall accomplish sufficient preliminary design and consultation during the environmental phase of project development to investigate bridge concepts, including the feasibility of any proposed movable bridges, the horizontal and vertical clearances that may be required, and other location considerations which may affect navigation. At least one fixed bridge alternative shall be included with any proposal for a movable bridge to provide a comparative analysis of engineering, social, economic and environmental benefit and impacts.

(e) The HA shall consider hydraulic, safety, environmental and navigational needs along with highway costs when designing a proposed navigable waterway crossing.

(f) For bridges where the risk of ship collision is significant, HA's shall consider, in addition to USCG requirements, the need for pier protection and warning systems as outlined in FHWA Technical Advisory 5140.19, Pier Protection and Warning Systems for Bridges Subject to Ship Collisions, dated February 11, 1983.

(g) Special navigational clearances shall normally not be provided for accommodation of floating construction equipment of any type that is not required for navigation channel maintenance. If the navigational clearances are influenced by the needs of such equipment, the USCG should be consulted to determine the appropriate clearances to be provided.

(h) For projects which require FHWA approval of plans, specifications and estimates, preliminary bridge plans shall be approved at the appropriate level by FHWA for structural concepts, hydraulics, and navigational clearances prior to submission of the permit application.

(i) If the HA bid plans contain alternative designs for the same configuration (fixed or movable), the permit application shall be prepared in sufficient detail so that all alternatives can be

evaluated by the USCG. If appropriate, the USCG will issue a permit for all alternatives. Within 30 days after award of the construction contract, the USCG shall be notified by the HA of the alternate which was selected. The USCG procedure for evaluating permit applications which contain alternates is presented in its Bridge Administration Manual (COMDT INST M16590.5).³ The FHWA policy on alternates, Alternate Design for Bridges; Policy Statement, was published at 48 FR 21409 on May 12, 1983.

§ 650.809 Movable span bridges.

A fixed bridge shall be selected wherever practicable. If there are social, economic, environmental or engineering reasons which favor the selection of a movable bridge, a cost benefit analysis to support the need for the movable bridge shall be prepared as a part of the preliminary plans.

PART 652—PEDESTRIAN AND BICYCLE ACCOMMODATIONS AND PROJECTS

Sec.

652.1 Purpose.

652.3 Definitions.

652.5 Policy.

652.7 Eligibility.

652.9 Federal participation.

652.11 Planning.

652.13 Design and construction criteria.

AUTHORITY: 23 U.S.C. 109, 217, 315, 402(b)(1)(F); 49 CFR 1.48(b).

SOURCE: 49 FR 10662, Mar. 22, 1984, unless otherwise noted.

§ 652.1 Purpose.

To provide policies and procedures relating to the provision of pedestrian and bicycle accommodations on Federal-aid projects, and Federal participation in the cost of these accommodations and projects.

§ 652.3 Definitions.

(a) *Bicycle*. A vehicle having two tandem wheels, propelled solely by human

²FHWA Notice 6640.22 dated July 17, 1981, is available for inspection and copying as prescribed in 49 CFR part 7, appendix D.

³United States Coast Guard internal directives are available for inspection and copying as prescribed in 49 CFR part 7, appendix B.

power, upon which any person or persons may ride.

(b) *Bikeway*. Any road, path, or way which in some manner is specifically designated as being open to bicycle travel, regardless of whether such facilities are designated for the exclusive use of bicycles or are to be shared with other transportation modes.

(c) *Bicycle Path (Bike Path)*. A bikeway physically separated from motorized vehicular traffic by an open space or barrier and either within the highway right-of-way or within an independent right-of-way.

(d) *Bicycle Lane (Bike Lane)*. A portion of a roadway which has been designated by striping, signing and pavement markings for the preferential or exclusive use of bicyclists.

(e) *Bicycle Route (Bike Route)*. A segment of a system of bikeways designated by the jurisdiction having authority with appropriate directional and informational markers, with or without a specific bicycle route number.

(f) *Shared Roadway*. Any roadway upon which a bicycle lane is not designated and which may be legally used by bicycles regardless of whether such facility is specifically designated as a bikeway.

(g) *Pedestrian Walkway or Walkway*. A continuous way designated for pedestrians and separated from the through lanes for motor vehicles by space or barrier.

(h) *Highway Construction Project*. A project financed in whole or in part with Federal-aid or Federal funds for the construction, reconstruction or improvement of a highway or portions thereof, including bridges and tunnels.

(i) *Independent Bicycle Construction Project (Independent Bicycle Project)*. A project designation used to distinguish a bicycle facility constructed independently and primarily for use by bicyclists from an improvement included as an incidental part of a highway construction project.

(j) *Independent Pedestrian Walkway Construction Project (Independent Walkway Project)*. A project designation used to distinguish a walkway constructed independently and solely as a pedestrian walkway project from a pedestrian improvement included as an inci-

dental part of a highway construction project.

(k) *Incidental Bicycle or Pedestrian Walkway Construction Project (Incidental Feature)*. One constructed as an incidental part of a highway construction project.

(l) *Nonconstruction Bicycle Project*. A bicycle project not involving physical construction which enhances the safe use of bicycles for transportation purposes.

(m) *Snowmobile*. A motorized vehicle solely designed to operate on snow or ice.

§ 652.5 Policy.

The safe accommodation of pedestrians and bicyclists should be given full consideration during the development of Federal-aid highway projects, and during the construction of such projects. The special needs for the elderly and the handicapped shall be considered in all Federal-aid projects that include pedestrian facilities. Where current or anticipated pedestrian and/or bicycle traffic presents a potential conflict with motor vehicle traffic, every effort shall be made to minimize the detrimental effects on all highway users who share the facility. On highways without full control of access where a bridge deck is being replaced or rehabilitated, and where bicycles are permitted to operate at each end, the bridge shall be reconstructed so that bicycles can be safely accommodated when it can be done at a reasonable cost. Consultation with local groups of organized bicyclists is to be encouraged in the development of bicycle projects.

§ 652.7 Eligibility.

(a) Independent bicycle projects, incidental bicycle projects, and nonconstruction bicycle projects must be principally for transportation rather than recreational use and must meet the project conditions for authorization where applicable.

(b) The implementation of pedestrian and bicycle accommodations may be authorized for Federal-aid participation as either incidental features of highways or as independent projects where all of the following conditions are satisfied.